

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE * LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)			ATTY DOCKET NO. 01263.001605		APPLICATION NO. 09/863,424	
APPLICANT JASON PETER ANDREW CHARLESWORTH ET AL.			FILING DATE May 24, 2001		GROUP 2171	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
u	4,227,176	10/07/80	Moshier	340	146.3R	
	4,736,429	04/05/88	Niyada et al.	381	43	
	4,903,305	02/20/90	Gillick et al.	381	41	
	4,975,959	12/04/90	Benbassat	381	41	
	4,980,918	12/25/90	Bahl et al.	381	43	
	4,985,924	01/15/91	Matsuura	381	43	
	5,075,896	12/24/91	Wilcox et al.	382	39	
✓	5,131,043	07/14/92	Fujii et al.	381	41	
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
u	EP 0 597 798 A1	05/18/94	EPA	G06F	15/403	
	EP 0 649,144 B1	04/19/95	EPA	G11B	27/28	
	EP 0 689 153 A2	12/27/95	EPA	G06K	9/46	
	GB 2 302 199 A	01/08/97	Great Britain	G06F	17/21	
✓	WO 00/54168	09/14/00	PCT	G06F	17/00	
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)						
u	D.A. James, et al., "A Fast Lattice-Based Approach to Vocabulary Independent Wordspotting", 1994 IEEE Int. Conf. On Acoustics, Speech and Sig. Proc., 1994 ICASSP-94, April 19-22, 1994, vol. 1, pp. I/377-I/380.					
	Steven Bird, et al., "A Formal Framework for Linguistic Annotation, Technical Report, MS-CIS-99-01, Dept. of Computer & Information Science, March, 1999, Linguistic Data Consortium, University of PA, pp. 1-48					
	L.R. Bahl et al., "A Method for the Construction of Acoustic Markov Models for Words", Oct. 1993, IEEE, Transactions on Speech and Audio Processing, Vol. 1, Issue 4, pp. 443-452					
✓	Kai-Fu Lee, "Automatic Speech Recognition, The Development of the SPHINX System" Kluwer Academic Publishers, pp. 28-29 (1989)					
EXAMINER			DATE CONSIDERED			
UYEN LE			23 July 04			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE * LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)			ATTY DOCKET NO. 01263.001605		APPLICATION NO. 09/863,424		
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> OCT 03 2003 PATENT & TRADEMARK OFFICE </div>			APPLICANT JASON PETER ANDREW CHARLESWORTH ET AL.				
			FILING DATE May 24, 2001		GROUP 2171		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JL		5,136,655	08/04/92	Bronson	381	41	
		5,333,275	07/26/94	Wheatley et al.	395	2.52	
		5,390,278	02/14/95	Gupta et al.	395	2.52	
		5,500,920	03/19/96	Kupiec	395	2.79	
		5,594,641	01/14/97	Kaplan et al.	395	601	
		5,649,060	07/15/97	Ellozy et al.	395	2.87	
		5,684,925	11/04/97	Morin et al.	395	2.63	
✓		5,708,759	01/13/98	Kemeny	395	2.63	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
JL		P. Schmid et al., "Automatically Generated Word Pronunciations From Phoneme Classifier Output", Statistical Signal and Array Processing, Proc. of the Int'l. Conf. on Acoustics, Speech and Signal Processing (ICASSP), IEEE, Vol. 4, April 27, 1993, pp. 223-226					
		J. Skilling, "Classic Maximum Entropy", in J. Skilling (ed.), Maximum Entropy And Bayesian Methods, pp. 45-52 (1989) by Kluwer Academic Publishers.					
		E. Wold, et al., "Content-Based Classification Search, and Retrieval of Audio", IEEE Multimedia, Vol. 3, No. 3, 1996, pp.27-36					
✓		N. Jain et al., "Creating Speaker-Specific Phonetic Templates With A Speaker-Independent Phonetic Recognizer, Implications For Voice Dialing", 1996 IEEE Int'l. Conf. On Acoustics, Speech & Signal Processing Conf. Proceedings, vol. 2, pp 881-884.					
EXAMINER UYEN LE				DATE CONSIDERED 29 July 04			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY DOCKET NO. 01263.001605		APPLICATION NO. 09/863,424	
* LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)			APPLICANT Jason P. A. Charlesworth et al.			
FILING DATE May 24, 2001			GROUP 2171			
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
UL	5,721,939	02/24/98	Kaplan	395	759	
	5,729,741	03/17/98	Liaguno et al.	395	615	
	5,737,723	04/07/98	Riley et al.	704	243	
	5,752,227	05/12/98	Lyberg	704	235	
	5,781,884	07/14/98	Pereira et al.	704	260	
	5,870,740	02/09/99	Rose et al.	707	5	
	5,873,061	02/16/99	Hüb-Umbach et al.	704	254	
✓	5,907,821	05/25/99	Kaji et al.	704	4	
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)						
UL		Steve Cassidy et al., "EMU: An Enhanced Hierarchical Speech Data Management System", Proc. of the 6th Australian Speech Science & Technology Conf., Adelaide, 1996, pp. 381-386				
		C. Berge, "Graphs & Hypergraphs", 1976, North Holland Mathematical Library, Amsterdam, pg. 175, XP-002192893				
		P. Gelin et al., "Keyword Spotting For Video Soundtrack Indexing", 1996, IEEE Int. Conf. On Acoustics, Speech & Sig. Proc., 1996, ICASSP-96 Conf. Proceedings, Vol. 1, pp. 299-302, May 7-10, 1996				
		C. Gagnoulet et al., "MAIRIEVOX: A Voice-Activated Information System", Speech Communication, 10 (1991), pp. 23-31				
✓		S. Srinivasan et al., "Phonetic Confusion Matrix Based Spoken Document Retrieval", Proc. of the 23rd Annual Int'l. ACM SIGIR Conf on Research & Development in Information Retrieval, July 24-28, 2000, pp. 81-87				
EXAMINER			DATE CONSIDERED			
UYEN LE			29 July 04			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 01263.001605	APPLICATION NO. 09/863,424
*LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		APPLICANT Jason P. A. Charlesworth et al.	
		FILING DATE May 24, 2001	GROUP 2171
U.S. PATENT DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME
bl	5,983,177	11/09/99	Wu et al.
	6,061,679	05/09/00	Bournas et al.
	6,243,680 B1	06/05/01	Gupta et al.
	6,321,226 B1	11/20/01	Garber et al.
	6,389,395 B1	05/14/02	Ringland
FOREIGN PATENT DOCUMENTS			
	DOCUMENT NUMBER	DATE	COUNTRY
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
bl		J. Zobel et al. "Phonetic String Matching, Lessons From Information Retrieval", Sigir Forum, Assn. for Computing Machinery, New York, US, 1996; pp. 166-172, XP000870222	
		Hsin-Min Wang, "Retrieval of Mandarin Spoken Documents Based On Syllable Lattice Matching", Pattern Recognition Letters, 21, pp. 615-624, June, 2000	
		IBM, "Template Averaging For Adapting A Dynamic Time Warping Speech", IBM Technical Disclosure Bulletin, IBM Corp., NY, US, Vol. 32, No. 11, April 1, 1990, pp. 422-426, XP000097761, ISBN, 0018-8689	
		D. Sankoff et al., "Time Warps, String Edits, and Macromolecules: The Theory And Practice of Sequence Comparison", CSLI Publications (1999) ISBN: 1-57586-217-4, pp. 1-44, 211-214, 311-321 and 359- 362.	
		Steven Bird, et al., "Towards A Formal Framework For Linguistic Annotations", Linguistic Data Consortium, Univ. of PA, December, 1998	
✓		J. Markowitz, "Using Speech Recognition", Prentice Hall, NJ, 1996, pp. 220-221	
EXAMINER		DATE CONSIDERED	
UYEN LE		29 July 04	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 01263.001605		APPLICATION NO. 09/863,424			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		APPLICANT Jason Peter Andrew Charlesworth et al.					
		FILING DATE May 24, 2001		GROUP 2171			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
all		5,640,487	06/17/97	Lau et al.	394	1.52	
		6,236,964 B1	05/22/01	Tamura et al.	704	254	
↓		6,272,242 B1	08/07/01	Saitoh et al.	382	187	
↓		6,314,400 B1	11/06/01	Klakow	704	257	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
all		F. Schiel et al., "The Partitur Format at BAS", In Proc. of the First Int'l. Conference on Language Resources and Evaluation, Granada, Spain, 1998 7 PAGES					
EXAMINER		UYEN LE		DATE CONSIDERED		29 July 04	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1

PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

ATTY DOCKET NO.

01263.001605

APPLICATION NO.

09/863,424

APPLICANT

Jason Peter Andrew Charlesworth et al.

FILING DATE

May 24, 2001

GROUP

2171

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ul	5,999,902	12/7/99	Scahill et al.	704	240	
↓	5,737,489	4/7/98	Chou et al.	395	2.65	
↓	6,192,337 B1	2/20/01	Ittycheriah et al.	704	231	
↓	6,535,850 B1	3/18/03	Bayya	704	239	
↓	6,567,778 B1	5/20/03	Chao Chang et al.	704	257	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
ul	GB	2, 349 260	10/25/00	GB	G10L	15/06	Eng. orig.
↓	EP	0 789 349 A	8/13/97	EPO	G10L	5/06	Eng. orig.
↓	WO	00 31723 A	6/2/00	PCT	G10L	15/02	Eng. orig.
↓	EP	0 849 723 A2	6/24/98	EP	G10L	5/06	Eng. orig.

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

ul	Gerber, C. "A General Approach To Speech Recognition", Proceedings of the Final Workshop on Multimedia Information Retrieval (Miro '95), September 18, 1995, pgs. 1-12, Glasgow, Scotland, XP-02232856

RECEIVED

APR 12 2004

Technology Center 2100

EXAMINER

UYEN LE

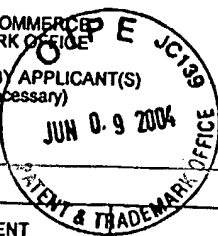
DATE CONSIDERED

29 July 2004

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

ATTY DOCKET NO.

01263.001605

APPLICATION NO.

09/863,424

APPLICANT

JASON PETER ANDREW CHARLESWORTH ET AL.

FILING DATE

May 24, 2001

GROUP

2171

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
all	5,638,425	06/10/97	Meador, III et al.	379	88	
	5,787,414	07/28/98	Miike et al.	707	2	
	6,172,675 B1	01/09/01	Ahmad et al.	345	328	
	6,662,180 B1	12/09/03	Aref et al.	707	6	
	6,490,563 B2	12/03/02	Hon et al.	704	260	
✓	6,023,536	02/08/00	Visser	382	310	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT

RECEIVED

JUN 14 2004

Technology Center 2100

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

UYEN LE

DATE CONSIDERED

29 July 2004

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1